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... kpro2901@mail.usyd.edu.au 2 School of Engineering, University of Durham, Durham, DH1 3LE, United Kingdom Keywords: Finite Element **Analysis**, **Dental** Crown, Core ...
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1987 Aug;3(4):200-6. **Finite element** stress analysis of restored **teeth**. Williams KR, Edmundson JT, Rees JS. MeSH Terms **Dental** Amalgam* **Dental** Cavity Lining ...
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1 Finite element mesh generation employing satellite graphics

Sze-Keung Lee, Walter S. Reed

June 1976 **Proceedings of the 13th conference on Design automation**

Full text available: pdf(496.59 KB) Additional Information: full citation, abstract, references, index terms

The use of a satellite graphics system is presented as an approach to preprocessing finite element analysis data. The paper discusses the use of curved isoparametric shape functions as the basis of finite element mesh generation and the effects this approach has on the design of a system to support these activities. A minicomputer based design system is presented and its application to a practical three dimensional mesh generation problem is demonstrated.

2 APL and finite elements for solving convection-diffusion problems, with examples from gas bearing design

F. Hendriks

December 1987 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL**, Volume 18 Issue 2

Full text available: pdf(871.25 KB) Additional Information: full citation, abstract, references, index terms

The increasing popularity of finite element techniques to solve fluid flow problems has been due, in large part, to its geometric flexibility and adaptability. APL shares that property. Therefore, it is a natural companion to finite element modelling. The closeness of control that APL allows during algorithm and program development is especially welcome during the pre-processing stages of the solution of field problems, in particular during grid generation. This leads to very reasonable &ld ...

3 Invited talks: A framework for facial surgery simulation

R. M. Koch, S. H. M. Roth, M. H. Gross, A. P. Zimmermann, H. F. Sailer

April 2002 **Proceedings of the 18th spring conference on Computer graphics**

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references, index terms

The accurate prediction of the post-surgical facial shape is of paramount importance for surgical planning in facial surgery. In this paper we present a framework for facial surgery simulation which is based on volumetric finite element modeling. We contrast conventional procedures for surgical planning against our system by accompanying a patient during the entire process of planning, medical treatment and simulation. In various preprocessing steps a 3D physically based facial model is reconstr ...

Keywords: data reconstruction, facial modeling, facial surgery simulation, finite element method

4 Hybrid system for multi-language and multi-environment generation of numerical codes

Joze Korelc

July 2001 **Proceedings of the 2001 international symposium on Symbolic and algebraic computation**

Full text available: pdf(673.56 KB) Additional Information: full citation, abstract, references, citings, index terms

The paper presents a hybrid system for automatic generation of numerical procedures for various finite element environments from the same symbolic description. The system consists of two major components. The *Mathematica* package *AceGen* is used for the automatic derivation of formulae needed in numerical procedures. An approach, implemented in *AceGen*, avoids the usual problem of uncontrollable growth of expressions by combining several techniques: symbolic and algebraic ca ...

Keywords: code generation, finite element environments, symbolic approach

5 Fixing models: Interpolating and approximating implicit surfaces from polygon soup

Chen Shen, James F. O'Brien, Jonathan R. Shewchuk

August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3

Full text available: pdf(691.64 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a method for building interpolating or approximating implicit surfaces from polygonal data. The user can choose to generate a surface that exactly interpolates the polygons, or a surface that approximates the input by smoothing away features smaller than some user-specified size. The implicit functions are represented using a moving least-squares formulation with constraints integrated over the polygons. The paper also presents an improved method for enforcing normal constra ...

Keywords: Implicit surfaces, physically based animation, point-based surfaces, polygon soup, simulation envelopes, surface reconstruction, surface representation, surface smoothing, topological simplification

6 PDM: an object-oriented data model

Frank Manola, Umeshwar Dayal

September 1986 **Proceedings on the 1986 international workshop on Object-oriented database systems**

Full text available: pdf(741.75 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes the development of the data model of PROBE, a knowledge-oriented DBMS being developed at CCA [DAYA85, DAYA86]. The data model, called PDM, is an extension of the Daplex functional data model [SHIP81, FOX84] that illustrates an integration of functional, relational, and object-oriented approaches. The extensions are primarily those required to handle the requirements of new database applications, such as engineering applications and cartography, having spatial or tempora ...

7 A novel dimension reduction technique for the capacitance extraction of 3D VLSI interconnects

Wei Hong, Weikai Sun, Zhenhai Zhu, Hao Ji, Ben Song, Wayne Wei-Ming Dai

January 1997 **Proceedings of the 1996 IEEE/ACM international conference on Computer-aided design**

Full text available: pdf(178.91 KB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

In this paper, we present a new capacitance extraction method named Dimension Reduction Technique (DRT) for 3D VLSI interconnects. The DRT converts a complex 3D problem into a series of cascading simple 2D problems. Each 3D problem is solved separately, so we can choose the most efficient method according to the arrangement of conductors. More importantly, it is very easy to obtain the analytical solutions of 2D problem in many layers such as the pure dielectric layers and the layers with parall ...

Keywords: 3D VLSI interconnects, DRT, Dimension Reduction Technique, FastCap, SPICELINK, VLSI, capacitance extraction, dielectric layers, parallel signal lines

8 Current trends in the development of integrated general purpose CAD systems

R. Jacquart, Ph. Regnier, F. R. Valette, J. Foissau

January 1975 **Proceedings of the 12th conference on Design automation**

Full text available: pdf(739.72 KB) Additional Information: full citation, abstract, references, index terms

This paper is approaching the computer aided design problem only from the programming point of view. Let us begin with two remarks to explain this approach: [i] very often computer aided design is heavily technology oriented; we mean that very often in a design process, the computer is used for the only phase of technological design of the object. [ii] moreover, until quite recently, CAD was considered only through application areas as, for example: aeronautics, electr ...

9 An efficient 3-D visualization technique for finite element models and other coarse volumes

R. S. Gallagher, J. C. Nagtegaal

July 1989 **ACM SIGGRAPH Computer Graphics , Proceedings of the 16th annual conference on Computer graphics and interactive techniques**, Volume 23 Issue 3

Full text available: pdf(6.74 MB) Additional Information: full citation, abstract, references, citings, index terms

We have developed a technique that extends existing 3-D result visualization methods for use with discretized volumes such as finite element models, where result values are only available at coarsely spaced points throughout the volume. It represents results as smooth isosurfaces within the volume for one or more result values, using visually continuous, bi-cubic polynomials.At each of the points where results are available, result gradients are calculated by a finite difference procedure. The r ...

10 Interactive graphics for plastic surgery: a task-level analysis and implementation

Steven Pieper, Joseph Rosen, David Zeltzer

June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**

Full text available: pdf(1.26 MB) Additional Information: full citation, references, citings, index terms

11 From Washington

Diane Crawford

September 1989 **Communications of the ACM**, Volume 32 Issue 9

Full text available: pdf(361.80 KB) Additional Information: full citation, index terms

12 Computers, complexity, and the Statue of Liberty restoration

Karen A. Frenkel
April 1986 **Communications of the ACM**, Volume 29 Issue 4

Full text available: pdf(2.11 MB) Additional Information: full citation, abstract, index terms, review

Twentieth-century techniques such as computer-aided engineering and finite-element analysis were used to restore the nineteenth-century monument.

13 The visualization and measurement of left ventricular deformation
Burkhard Wünsche
January 2003 **Proceedings of the First Asia-Pacific bioinformatics conference on Bioinformatics 2003 - Volume 19**

Full text available: pdf(2.65 MB) Additional Information: full citation, abstract, references, index terms

While medical progress has been made in the diagnosis and treatment of heart diseases it remains the biggest killer in the western world. Cardiovascular diseases cause considerable morbidity and the prognosis after heart failure is poor. An improved understanding of cardiac mechanics might advance the diagnosis and treatment of heart diseases.We have developed a toolkit designed for visualizing biomedical models. This paper explains techniques for visualizing and evaluating biomedical finite ele ...

Keywords: cardiac mechanics, finite element model, scientific visualization, strain tensor field, visualization tools

14 High-level management of communication schedules in HPF-like languages
Siegfried Benkner, Piyush Mehrotra, John Van Rosendale, Hans Zima
July 1998 **Proceedings of the 12th international conference on Supercomputing**

Full text available: pdf(967.36 KB) Additional Information: full citation, references, citings, index terms

15 An adaptive mesh-moving and local refinement method for time-dependent partial differential equations
David C. Arney, Joseph E. Flaherty
March 1990 **ACM Transactions on Mathematical Software (TOMS)**, Volume 16 Issue 1

Full text available: pdf(1.74 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We discuss mesh-moving, static mesh-regeneration, and local mesh-refinement algorithms that can be used with a finite difference or finite element scheme to solve initial-boundary value problems for vector systems of time-dependent partial differential equations in two space dimensions and time. A coarse base mesh of quadrilateral cells is moved by an algebraic mesh-movement function so as to follow and isolate spatially distinct phenomena. The local mesh-refinement method recursively divid ...

16 Variational surface modeling
William Welch, Andrew Witkin
July 1992 **ACM SIGGRAPH Computer Graphics , Proceedings of the 19th annual conference on Computer graphics and interactive techniques**, Volume 26 Issue 2

Full text available: pdf(4.38 MB) Additional Information: full citation, references, citings, index terms

Keywords: constrained optimization, interaction techniques, surface design

17 Triangulating a non-convex polytype
B. Chazelle, L. Palios
June 1989 **Proceedings of the fifth annual symposium on Computational geometry**

Full text available: pdf(848.44 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper is concerned with the problem of partitioning a three-dimensional polytope into a small number of elementary convex parts. The need for such decompositions arises in tool design, computer-aided manufacturing, finite-element methods, and robotics. Our main result is an algorithm for decomposing a polytope with n vertices and r reflex edges into &Ogr;(n+r2) tetrahedra. This bou ...

18 "Topologies"—distributed objects on multicomputers
Karsten Schwan, Win Bo
May 1990 **ACM Transactions on Computer Systems (TOCS)**, Volume 8 Issue 2

Full text available: pdf(3.83 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Application programs written for large-scale multicomputers with interconnection structures known to the programmer (e.g., hypercubes or meshes) use complex communication structures for connecting the applications' parallel tasks. Such structures implement a wide variety of functions, including the exchange of data or control information relevant to the task computations and/or the communications required for task synchronization, message forwarding/filtering under program control, and so o ...

19 Skeleton-based modeling operations on solids
Duane W. Storti, George M. Turkiyyah, Mark A. Ganter, Chek T. Lim, Derek M. Stal
May 1997 **Proceedings of the fourth ACM symposium on Solid modeling and applications**

Full text available: pdf(2.02 MB) Additional Information: full citation, references, citings, index terms

20 Constraints methods for flexible models
John C. Platt, Alan H. Barr
June 1988 **ACM SIGGRAPH Computer Graphics , Proceedings of the 15th annual conference on Computer graphics and interactive techniques**, Volume 22 Issue 4

Full text available: pdf(3.21 MB) Additional Information: full citation, abstract, references, citings, index terms

Simulating flexible models can create aesthetic motion for computer animation. Animators can control these motions through the use of *constraints* on the physical behavior of the models. This paper shows how to use mathematical constraint methods based on physics and on optimization theory to create controlled, realistic animation of physically-based flexible models. Two types of constraints are presented in this *paper: reaction constraints (RCs)* and *augrmented Lagrangian constra ...*

***Keywords**: constraints, dynamics, elasticity, modeling, simulation*

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Terms used **finite element teeth** Found **15** of **145,519**

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A. D. Spence, Z. Li
May 2001 **Proceedings of the sixth ACM symposium on Solid modeling and applications**
Full text available: pdf(688.39 KB) Additional Information: full citation, abstract, references, index terms

Continued progress in the area of solid modeler based machining process simulation is hindered by the complexity growth that occurs for a large number of tool paths *n*. For this reason, many researchers have adopted the Z-buffer approach. Boundary-representation (B-rep), however, remains the dominant choice for commercial modelers. This paper begins by reviewing the current state of solid modeler based machining simulation. Using an industrial example, the growth rate, for a simple feed ...

Keywords: computational geometry, machining simulation, parallel processing

2 Using a computer aided graphics system to help design and draft automotive components
Ned L. Brown
January 1977 **Proceedings of the 14th conference on Design automation**
Full text available: pdf(512.68 KB) Additional Information: full citation, abstract, index terms

This paper will describe how the Product Engineering Department of an Automotive Accessory Manufacturer, has utilized computer graphics to aid in the design and drafting of a variety of products. It will briefly describe the general justification for obtaining equipment, what equipment is being used, and the organization for using it, and typical applications in both design and drafting. Five problems related to using computer graphics will be discussed followed by a description of three te ...

3 Deformable objects: Invertible finite elements for robust simulation of large deformation
G. Irving, J. Teran, R. Fedkiw
August 2004 **Proceedings of the 2004 ACM SIGGRAPH/Eurographics symposium on Computer animation**
Full text available: pdf(282.06 KB) Additional Information: full citation, abstract, references, index terms

We present an algorithm for the finite element simulation of elastoplastic solids which is capable of robustly and efficiently handling arbitrarily large deformation. In fact, our model remains valid even when large parts of the mesh are inverted. The algorithm is

straightforward to implement and can be used with any material constitutive model, and for both volumetric solids and thin shells such as cloth. We also provide a mechanism for controlling plastic deformation, which allows a deforma ...

4 Invited talks: A framework for facial surgery simulation

R. M. Koch, S. H. M. Roth, M. H. Gross, A. P. Zimmermann, H. F. Sailer

April 2002 **Proceedings of the 18th spring conference on Computer graphics**

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references, index terms

The accurate prediction of the post-surgical facial shape is of paramount importance for surgical planning in facial surgery. In this paper we present a framework for facial surgery simulation which is based on volumetric finite element modeling. We contrast conventional procedures for surgical planning against our system by accompanying a patient during the entire process of planning, medical treatment and simulation. In various preprocessing steps a 3D physically based facial model is reconstr ...

Keywords: data reconstruction, facial modeling, facial surgery simulation, finite element method

5 Integrated solid modeler based solutions for machining

Allan D. Spence, Farid Abrari, M. A. Elbestawi

June 1999 **Proceedings of the fifth ACM symposium on Solid modeling and applications**

Full text available: pdf(1.25 MB) Additional Information: full citation, references, index terms

Keywords: finite element analysis, machining simulation, online monitoring and control, solid modeling

6 Realistic modeling for facial animation

Yuencheng Lee, Demetri Terzopoulos, Keith Walters

September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(681.19 KB) ps(4.37 MB) Additional Information: full citation, references, citings, index terms

Keywords: RGB/Range scanners, discrete deformable models, facial animation, feature-based facial adaptation, physics-based facial modeling, texture mapping

7 Efficient mixed-domain analysis of electrostatic MEMS

Gang Li, N. R. Aluru

November 2002 **Proceedings of the 2002 IEEE/ACM international conference on Computer-aided design**

Full text available: pdf(357.08 KB) Additional Information: full citation, abstract, references, index terms

We present efficient computational methods for scattered point and meshless analysis of electrostatic microelectromechanical systems (MEMS). Electrostatic MEMS are governed by coupled mechanical and electrostatic energy domains. A self-consistent analysis of electrostatic MEMS is implemented by combining a finite cloud method based interior mechanical analysis with a boundary cloud method based exterior electrostatic analysis. Lagrangian descriptions are used for both mechanical and electrostati ...

Keywords: Lagrangian electrostatics, boundary cloud method, coupled electro-mechanical analysis, finite cloud method, meshless

8 Reanimating the dead: reconstruction of expressive faces from skull data

Kolja Kähler, Jörg Haber, Hans-Peter Seidel

July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

Full text available: pdf(7.35 MB) Additional Information: full citation, abstract, references, index terms

Facial reconstruction for postmortem identification of humans from their skeletal remains is a challenging and fascinating part of forensic art. The former look of a face can be approximated by predicting and modeling the layers of tissue on the skull. This work is as of today carried out solely by physical sculpting with clay, where experienced artists invest up to hundreds of hours to craft a reconstructed face model. Remarkably, one of the most popular tissue reconstruction methods bears many ...

Keywords: face reconstruction, facial modeling, forensic art

9 A hybrid CAD/CAM system for mechanical applications

J. Z. Gingerich, M. P. Carroll, E. J. Chelius, L. P. Kuan

January 1982 **Proceedings of the 19th conference on Design automation**

Full text available: pdf(499.15 KB) Additional Information: full citation, abstract, references, index terms

The current wire frame and surface modeling based CAD/CAM systems provide productive tools for the mechanical manufacturing industries. Volumetric modeling, distributed processing, 3-dimensional graphic displays, relational data bases, and less expensive, more powerful computers are emerging technologies sure to benefit CAD/CAM applications. The challenge of the 80's is to integrate the proven CAD/CAM techniques of the 70's with these emerging technologies. This paper addresses the issues i ...

10 Synthesizing realistic facial expressions from photographs

Frédéric Pighin, Jamie Hecker, Dani Lischinski, Richard Szeliski, David H. Salesin

July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(276.04 KB) Additional Information: full citation, references, citings, index terms

Keywords: facial animation, facial expression generation, facial modeling, morphing, photogrammetry, view-dependent texture-mapping

11 Heads, faces, hair: Head shop: generating animated head models with anatomical structure

Kolja Kähler, Jörg Haber, Hitoshi Yamauchi, Hans-Peter Seidel

July 2002 **Proceedings of the 2002 ACM SIGGRAPH/Eurographics symposium on Computer animation**

Full text available: pdf(9.67 MB) Additional Information: full citation, abstract, references, citings, index terms

We present a versatile construction and deformation method for head models with anatomical structure, suitable for real-time physics-based facial animation. The model is equipped with landmark data on skin and skull, which allows us to deform the head in anthropometrically meaningful ways. On any deformed model, the underlying muscle and

bone structure is adapted as well, such that the model remains completely animatable using the same muscle contraction parameters. We employ this general techni ...

Keywords: biological modeling, deformations, facial animation, geometric modeling, morphing, physically based animation

12 Session C5: interactive techniques: A case study on the applications of a generic library for low-cost polychromatic passive stereo
Simon Stegmaier, Dirc Rose, Thomas Ertl
October 2002 **Proceedings of the conference on Visualization '02**

Full text available: pdf(9.82 MB) Additional Information: full citation, abstract, references, index terms

Active stereo has been used by engineers and industrial designers for several years to enhance the perception of computer generated three-dimensional images. Unfortunately, active stereo requires specialized hardware. Therefore, as ubiquitous computing and teleworking gain importance, using active stereo becomes a problem. The goal of this case study is to examine the concept of a generic library for polychromatic passive stereo to make stereo vision available everywhere.

Keywords: openGL, preloading, stereo graphics

13 Permission grids: practical, error-bounded simplification
Steve Zelinka, Michael Garland
April 2002 **ACM Transactions on Graphics (TOG)**, Volume 21 Issue 2

Full text available: pdf(2.53 MB) Additional Information: full citation, abstract, references, citings, index terms

We introduce the *permission grid*, a spatial occupancy grid which can be used to guide almost any standard polygonal surface simplification algorithm into generating an approximation with a guaranteed geometric error bound. In particular, all points on the approximation are guaranteed to be within some user-specified distance from the original surface. Such bounds are notably absent from many current simplification methods, and are becoming increasingly important for applications in scient ...

Keywords: Error bounds, level of detail, surface simplification

14 Computational geometry: a retrospective
Bernard Chazelle
May 1994 **Proceedings of the twenty-sixth annual ACM symposium on Theory of computing**

Full text available: pdf(2.20 MB) Additional Information: full citation, references, citings, index terms

15 Animating images with drawings
Peter Litwinowicz, Lance Williams
July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**

Full text available: pdf(407.13 KB) ps(4.45 MB) Additional Information: full citation, abstract, references, citings, index terms

The work described here extends the power of 2D animation with a form of texture mapping conveniently controlled by line drawings. By tracing points, line segments, spline curves, or

filled regions on an image, the animator defines features which can be used to animate the image. Animations of the control features deform the image smoothly. This development is in the tradition of "skeleton"-based animation, and "feature"-based image metamorphosis. By employing numeri ...

Keywords: animation, image warping, scattered data interpolation

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R. M. Koch, S. H. M. Roth, M. H. Gross, A. P. Zimmermann, H. F. Sailer

April 2002 **Proceedings of the 18th spring conference on Computer graphics**

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references, index terms

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Keywords: data reconstruction, facial modeling, facial surgery simulation, finite element method

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Yuencheng Lee, Demetri Terzopoulos, Keith Walters

September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

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Kolja Kähler, Jörg Haber, Hans-Peter Seidel

July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

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3 Permission grids: practical, error-bounded simplification

Steve Zelinka, Michael Garland

April 2002 **ACM Transactions on Graphics (TOG)**, Volume 21 Issue 2

Full text available: pdf(2.53 MB) Additional Information: full citation, abstract, references, citings, index terms

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important for applications in scient ...

Keywords: Error bounds, level of detail, surface simplification

4 Session 5: simplification and meshes: User-guided simplification

Youngihn Kho, Michael Garland
April 2003 **Proceedings of the 2003 symposium on Interactive 3D graphics**

Full text available: pdf(2.79 MB) Additional Information: full citation, abstract, references, citings, index terms

While many effective automatic surface simplification algorithms have been developed, they often produce poor approximations when a model is simplified to a very low level of detail. Furthermore, previous algorithms are not sensitive to semantic or high-level meanings of models. In this paper, we present a user-guided approach for mesh simpli cation that aims to overcome such limitations. Our proposed method allows users to selectively control the relative importance of different surface regions ...

Keywords: level of detail, quadric error metrics, user-guided simplification

5 The pragmatics of referring and the modality of communication

Philip R. Cohen
April 1984 **Computational Linguistics**, Volume 10 Issue 2

Full text available: pdf(3.89 MB) Publisher Site Additional Information: full citation, abstract, references, citings

This paper presents empirical results comparing spoken and keyboard communication. It is shown that speakers attempt to achieve more detailed goals in giving instructions than do users of keyboards. One specific kind of fine-grained communicative act, a request that the hearer identify the referent of a noun phrase, is shown to dominate spoken instruction-giving discourse, but is nearly absent from keyboard discourse. Most important, these requests are only achieved "indirectly". -- through utte ...

6 Invited talks: A framework for facial surgery simulation

R. M. Koch, S. H. M. Roth, M. H. Gross, A. P. Zimmermann, H. F. Sailer
April 2002 **Proceedings of the 18th spring conference on Computer graphics**

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references, index terms

The accurate prediction of the post-surgical facial shape is of paramount importance for surgical planning in facial surgery. In this paper we present a framework for facial surgery simulation which is based on volumetric finite element modeling. We contrast conventional procedures for surgical planning against our system by accompanying a patient during the entire process of planning, medical treatment and simulation. In various preprocessing steps a 3D physically based facial model is reconstr ...

Keywords: data reconstruction, facial modeling, facial surgery simulation, finite element method

7 Machinery in the new factories: interaction and technology in a bank's telephone call centre

John Bowers, David Martin
December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Full text available: pdf(154.26 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents analyses of calls to a bank's telephone call centre documenting the way calls are opened, closed, and how financial services are actioned. Throughout, how the social interaction between caller and operator is interleaved with the human-computer interaction between operator and the bank's accounts database is attended to. We show participants varying in their orientation to each other and to providing and receiving database information, and how these matters are influence ...

Keywords: conversation analysis, intelligent systems, organisations, social interaction, technology

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Helen Beange, Nicholas Lennox, Trevor R Parmenter. **Journal of Intellectual & Developmental Disability.** Abingdon: Dec 1999. Vol. 24, Iss. 4; p. 283 (15 pages)

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P. A. Mossey. **British Journal of Orthodontics.** Sep 1999. Vol. 26, Iss. 3; p. 195

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26. **Australian Orthopaedic Association: Queenland, Australia--October 12-16, 1998**
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Nicholas C Saunders, Martin A Birchall, Susan J Armstrong, Norman Killingback, G David Singh. **Archives of Otolaryngology - Head & Neck Surgery.** Chicago: Jun 1998. Vol. 124, Iss. 6; p. 656 (3 pages)

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A Versluis, D Tantbirojn, W H Douglas. **Journal of Dental Research.** Houston: Jun 1998. Vol. 77, Iss. 6; p. 1435 (11 pages)

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Adam M Freiman. **Emory Law Journal.** Atlanta: Spring 1998. Vol. 47, Iss. 2; p. 697 (55 pages)
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I M Peterson, A Pajares, B R Lawn, V P Thompson, E D Rekow. **Journal of Dental Research.** Houston: Apr 1998. Vol. 77, Iss. 4; p. 589 (14 pages)
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J G Andrew. **Journal of Bone and Joint Surgery (British volume).** London: 1998. Vol. 80; p. 257 (18 pages)
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